

PROTEX

Weatherstrips



PROTEX WEATHERSTRIP MFG.CO.
CHICAGO • ILLINOIS

The Blue Book of Weatherstrips

PROTEX WEATHERSTRIP MANUFACTURING COMPANY

General Office and Factory . . . 2306-2310 W. 69th Street, Chicago, Ill.

Representatives and Sales Agents in all
Principal Cities in U. S. A. and Canada

THE COMPANY

• The Protex Weatherstrip Manufacturing Company is an organization of highly skilled technicians of long experience in the development, manufacture, production and installation of weathering equipment for doors and windows. Progressive and constantly alert to the increasingly exacting requirements of modern building construction we are prepared to offer specialized service in whatever degree is required in this important phase of the insulation problem and to assist, upon request, in the preparation of details and specifications.

THE PRODUCT

• Protex equipment consists of: Weatherstrips, Calking, Kick Plates, Edgings, Nosings, Thresholds, Double-Glazing Panes. Protex weathering materials adaptable to all types of metal or wood windows, are the result of test-proven development following scientific investigation at the University of Wisconsin and the R. W. Hunt Co. Laboratories. Protex equipment enjoys a quality reputation second to none and is designed and manufactured to give full investment value.



• Above is Sunset Towers, Hollywood, Cal., a Protex installation of 400 units. Below is the Pittsfield Bldg. in Chicago with 2300 Protexed windows



• Veterans Hospital at Biloxi, Miss., above, has over 600 openings equipped with Protex

INSTALLATIONS

• The use of Protex equipment in thousands of buildings both large and small across the country attest to the high standard of quality in materials and installation service maintained to meet rigid specifications. Following is a few of the many Protex equipped buildings of recent date.

Harvey S. Firestone Residence,
Akron, Ohio

John Carroll University Bldgs.,
Cleveland, Ohio

Department of Interior Bldgs.,
Washington, D. C.

State Office Bldg.,
Madison, Wisc.

Veterans Facilities { Ft. Lyon, Colo.
Outwood, Ky.
Biloxi, Miss.
Milwaukee, Wisc.

U. S. Federal Housing
Will Rogers Courts,
Oklahoma City, Okla.

University Courts,
Columbia, S. C.

Lincoln Gardens,
Evansville, Ind.

U. S. Army (Q.M.C.)
Barracks { Maxwell Field, Ala.
March Field, Cal.
Fort Sam Houston,
Tex.
Fort Knox, Ky.
Fort Monroe, Va.
Fort Bragg, N. Car.



• 1200 Protex units are installed in this San Francisco Psychopathic Cancer Building

**WEATHERSTRIPS
DH • 200 • 201
DOUBLE HUNG WINDOWS**

Rib Type—This type of equipment is standard for ordinary residential and commercial construction. The tongue or rib, mitered at corners, operates in accurately plowed groove in the sash. Strong, concealed interlocking members are provided at meeting rails. Sash grooves can be lined with metal liners for metal to metal contact. Tests on this equipment at the University of Wisconsin Laboratories show 90% infiltration reduction.



**WEATHERSTRIPS
DH • 220 • 221
DOUBLE HUNG WINDOWS**

High Rib Type—Extremely large double hung window openings requiring heavy sash and glass should have heavier weatherstripping members. Note the $\frac{5}{8}$ inch rib height of equipment DH-220 and 221, which allows for greater shrinkage and expansion in the sash with no loss of efficiency. All of the members are of extra heavy gauge to withstand severe strain and usage. Do not specify this equipment for sash less than $1\frac{3}{4}$ inch thick.

EQUIPMENT DH-200—ZINC				
Location	1 $\frac{3}{8}$ " Sash	1 $\frac{3}{4}$ " Sash	2 $\frac{1}{4}$ " Sash	Ga.
Head	2R	2R	2R	9
Sill	4R	6R	8R	9
M.R. Hook	11	11	11	12
M.R. Flat	12	12	12	10
Upper Sides	4C- $\frac{3}{8}$	6C- $\frac{3}{8}$	7C- $\frac{3}{8}$	9
Lower Sides	6C- $\frac{1}{2}$	7C- $\frac{1}{2}$	8C- $\frac{1}{2}$	9

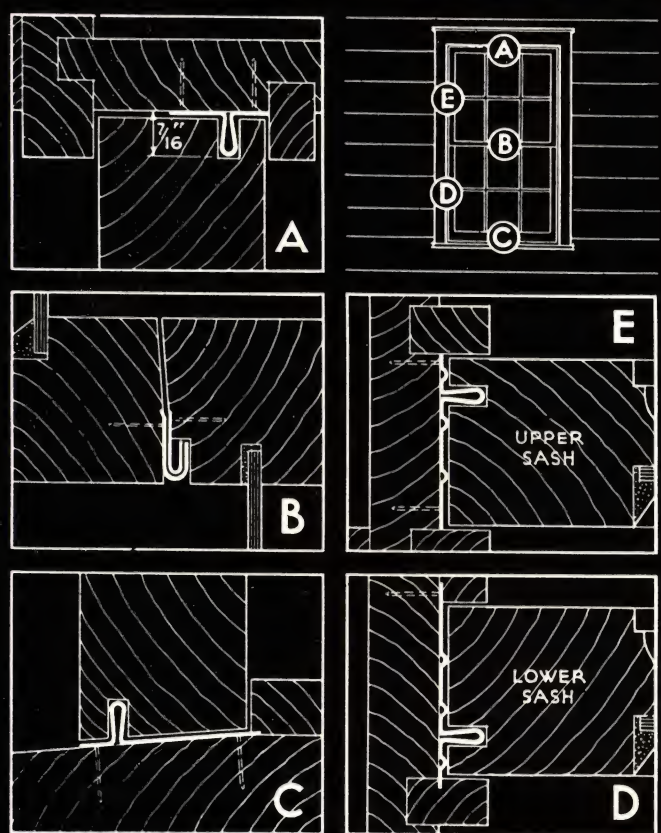
EQUIPMENT DH-201—BRONZE				
Head	2RB	2RB	2RB	25
Sill	4RB	6RB	8RB	25
M.R. Hook	11B	11B	11B	22
M.R. Flat	12B	12B	12B	24
Upper Sides	4CB- $\frac{3}{8}$	6CB- $\frac{3}{8}$	7CB- $\frac{3}{8}$	25
Lower Sides	6CB- $\frac{1}{2}$	7CB- $\frac{1}{2}$	8CB- $\frac{1}{2}$	25

Alternate No. 1—Substitute Heavy Sills
Alternate No. 2—Kerf upper sides to Blind Stop

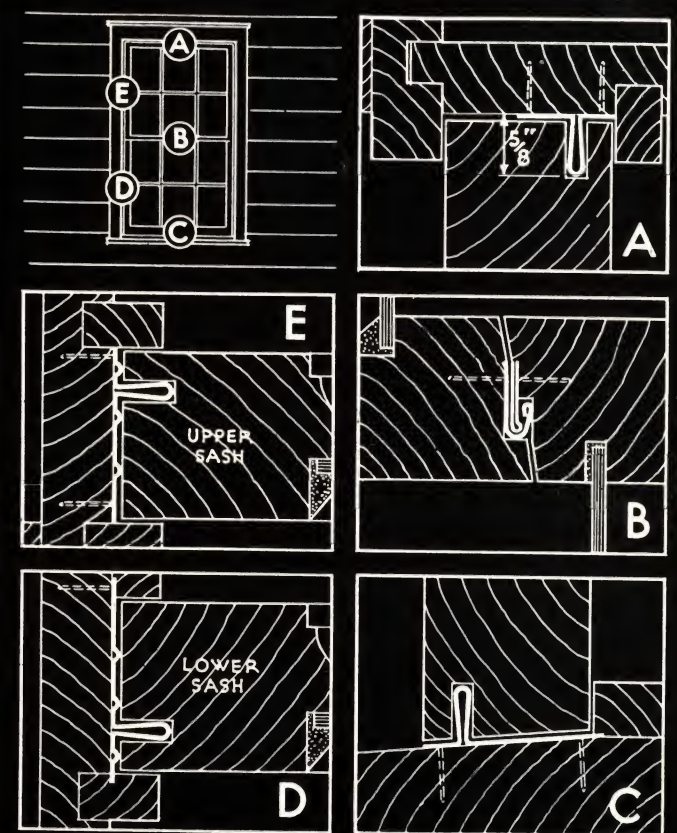
EQUIPMENT DH-220—ZINC				
Location	1 $\frac{3}{8}$ " Sash	1 $\frac{3}{4}$ " Sash	2 $\frac{1}{4}$ " Sash	Ga.
Head	Use	2RH	2RH	10
Sill	DH-200	6RH	8RH	10
M.R. Hook	in	111	111	12
M.R. Flat	10 ga.	112	112	9
Upper Sides	Zinc	6CH- $\frac{3}{8}$	7CH- $\frac{3}{8}$	10
Lower Sides		7CH- $\frac{1}{2}$	8CH- $\frac{1}{2}$	10

EQUIPMENT DH-221—BRONZE				
Head	Use	2RBH	2RBH	24
Sill	DH-201	6RBH	8RBH	24
M.R. Hook	in	11B	11B	22
M.R. Flat	25 ga.	12B	12B	24
Upper Sides	Bronze	6CRH- $\frac{1}{2}$	7CRH- $\frac{1}{2}$	24
Lower Sides		7CRH- $\frac{3}{8}$	8CRH- $\frac{3}{8}$	24

Alternate No. 1—Substitute Heavy Sills
Alternate No. 2—Kerf upper sides to Blind Stop



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PROTEX Weatherstrips

WEATHERSTRIPS DH • 240 • 241 DOUBLE HUNG WINDOWS

Surety Type—Adapted to all types of sash hung on weights or spring or spiral balances. Absence of side grooves and application to parting bead eliminates pulley and cord interference. The concealed, interlocking action allows for a full 1/4 inch shrinkage with no loss of efficiency. Tests at University of Wisconsin Laboratories show 95% infiltration reduction with finger tip operation. Surety strips are covered by U. S. Patent No. 1,928,948.



WEATHERSTRIPS DH • 260 • 261 DOUBLE HUNG WINDOWS

Surety Type—DH-260 and 261 are identical in design with DH-240 and 241, with the exception that the side members of the strip form full jamb sash runway coverage.

Note that the weathering points are at the outermost points of air or water ingress which prevents the elements from reaching any part of the otherwise exposed frame or sash. Metal operating on and in metal provides perfect sliding areas and reduces friction to an absolute minimum.

EQUIPMENT DH-240—ZINC AND BRONZE				
Location	1 3/8" Sash	1 3/4" Sash	2 1/4" Sash	Ga.
Head	2R	2R	2R	9
Sill	4R	6R	8R	9
M.R. Hook	11-BI	11-BI	11-BI	12
M.R. Flat	112	112	112	9
Upper Sides	1X-2X	1X-2X	1X-2X	32
Lower Sides	1X-2X	1X-2X	1X-2X	32

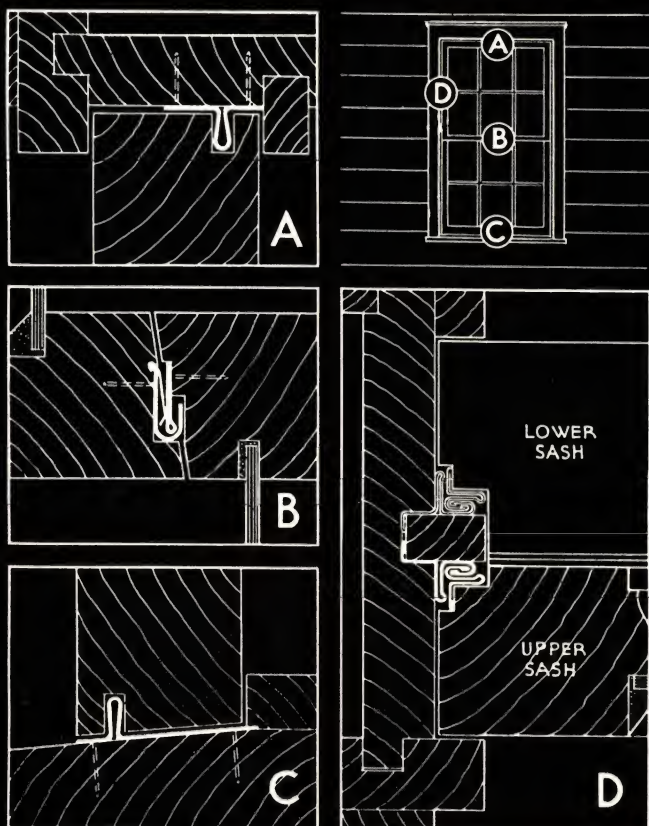
EQUIPMENT DH-241—BRONZE				
Location	1 3/8" Sash	1 3/4" Sash	2 1/4" Sash	Ga.
Head	2RB	2RB	2RB	25
Sill	4RB	6RB	8RB	25
M.R. Hook	11-B-BI	11-B-BI	11-B-BI	22-35
M.R. Flat	112-B	112-B	112-B	25
Upper Sides	1X-2X	1X-2X	1X-2X	32
Lower Sides	1X-2X	1X-2X	1X-2X	32

Alternate No. 1—Substitute Heavy Sills
Note—Give parting bead depth

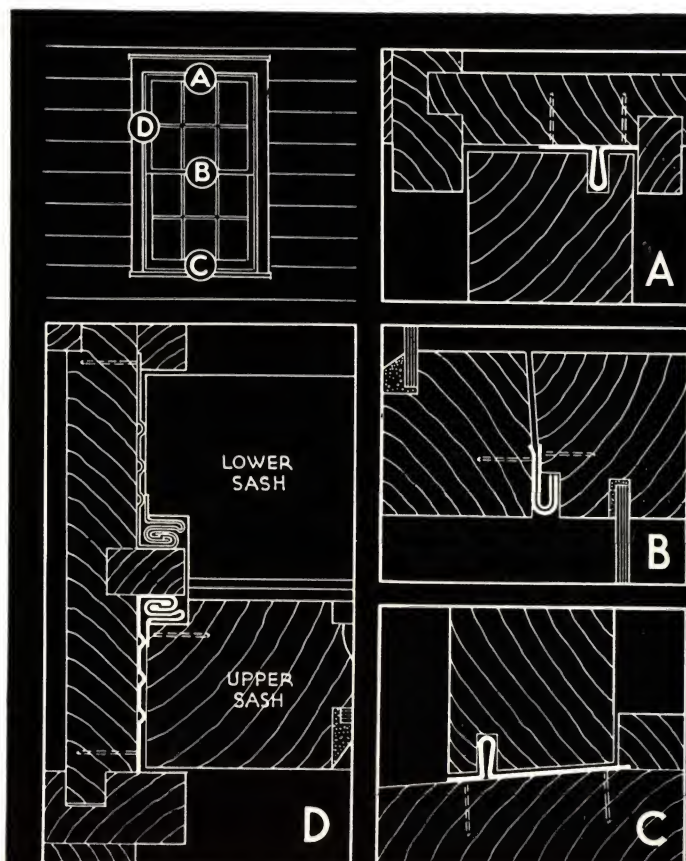
EQUIPMENT DH-260—ZINC				
Location	1 3/8" Sash	1 3/4" Sash	2 1/4" Sash	Ga.
Head	2R	2R	2R	9
Sill	4R	6R	8R	9
M.R. Hook	11	11	11	12
M.R. Flat	12	12	12	10
Upper Sides	6X-5X	7X-5X	8X-5X	9-9
Lower Sides	7X-5X	8X-5X	9X-5X	9-9

EQUIPMENT DH-261—BRONZE				
Location	1 3/8" Sash	1 3/4" Sash	2 1/4" Sash	Ga.
Head	2RB	2RB	2RB	25
Sill	4RB	6RB	8RB	25
M.R. Hook	11B	11B	11B	22
M.R. Flat	12B	12B	12B	24
Upper Sides	6XB-1X	7XB-1X	8XB-1X	25-32
Lower Sides	7XB-1X	8XB-1X	9XB-1X	25-32

Alternate No. 1—Substitute Heavy Sills
Alternate No. 2—Kerf upper sides to Blind Stop



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PROTEX Weatherstrips

WEATHERSTRIPS A • 280 • A • 281 • AUSTRAL WINDOWS •

Interlocking Type—Heads and sills are weatherstripped with rib type strips. Because of the rotating sash movement, the sides are weatherstripped with interlocking metal to metal contacts. The weatherstripping members are so designed and installed as to eliminate all hardware interference and permit installation from inside the building. The equipment is in exact accordance with the Austral Window Co.'s standards for easy operation.



WEATHERSTRIPS P • 290 • P • 291 WILLIAMS PIVOT WINDOWS

Rib Type—The equipment members and their installation is identical with equipment DH-200 and 201 (see page 2). Sash operating hardware is installed in the face of the side filler members which

are plowed to receive the weatherstripping rib which prevents air or moisture infiltration between the filler strip and frame. The interlocking corrugations between the filler strip and the sash proper prevent air leakage at these points.

EQUIPMENT A-280—ZINC				
Location	Strip	Ga.	Strip	Ga.
Head	1R	9	....	..
Sill	2R	9	....	..
Meeting Rail	17	11	18	9
Upper Sides	15	9	112	9
Lower Sides	112	9	19	9
*Groove Liners	16	9	....	..

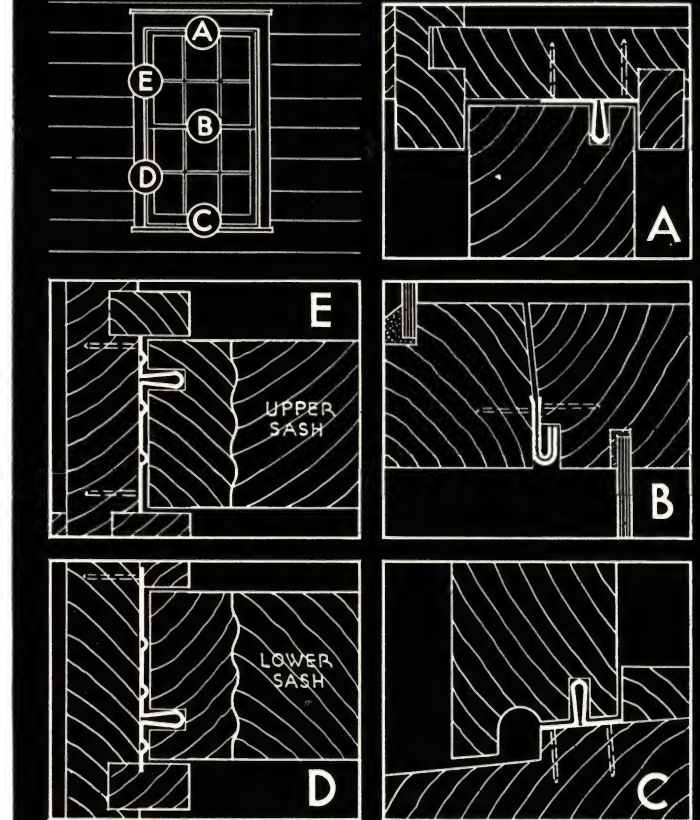
EQUIPMENT A-281—BRONZE				
Location	Strip	Ga.	Strip	Ga.
Head	1RB	25	....	..
Sill	2RB	25	....	..
Meeting Rail	17B	23	18B	25
Upper Sides	15B	26	112B	25
Lower Sides	112B	25	19B	25
*Groove Liners	16B	26	....	..

Alternate No. 1—Substitute Heavy Sills
*Alternate No. 2—Add Groove Liners Head and Sill

EQUIPMENT P-290—ZINC				
Location	1 3/8" Sash	1 3/4" Sash	2 1/4" Sash	Ga.
Head	2R	2R	2R	9
Sill	1R	1R	1R	9
M.R. Hook	11	11	11	12
M.R. Flat	12	12	12	10
Upper Sides	4C-3/8	6C-3/8	7C-3/8	9
Lower Sides	6C-1/2	7C-1/2	8C-1/2	9

EQUIPMENT P-291—BRONZE				
Location	Strip	Ga.	Strip	Ga.
Head	2RB	25	2RB	25
Sill	1RB	25	1RB	25
M.R. Hook	11B	22	11B	22
M.R. Flat	12B	24	12B	24
Upper Sides	4CB-3/8	25	6CB-3/8	25
Lower Sides	6CB-1/2	25	7CB-1/2	25

Alternate No. 1—Substitute Heavy Sills
Alternate No. 2—Kerf upper sides to Blind Stop

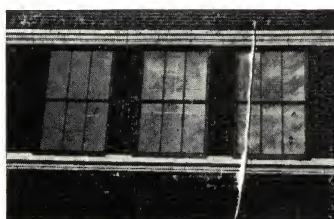


PROTEX

Weatherstrips

WEATHERSTRIPS DH • 520 • 521 HOLLOW METAL DOUBLE HUNG

Interlocking Type—Standard manufacturing tolerances in fabrication together with expansion and contraction require that hollow metal or Kalamein double hung windows be weatherstripped with perfect interlocks that will not increase sliding friction. The strips are backed with specially treated felt to eliminate leakage under strips due to uneven surfaces. Note that H strips slide on E members which eliminates side play, assuring easy operation. Where hardware interferes at meeting rails with the members detailed, it is necessary to substitute spring bronze between sections.



WEATHERSTRIPS DH • 530 • 531 PLATE TYPE DOUBLE HUNG

Channel Type—Plate type double hung windows require interlocking weatherstrip members located at the outermost points of air and water ingress. Because of the siphonage action at the lower sides,

a special patented (U. S. Patent No. 2,050,369) channel strip is inserted in the jamb slots eliminating side play and wind and water entrance into the frame box and around the sash sections. All members are felt backed. Special stops and bumpers are furnished to complete the equipment. Tests at R. W. Hunt Laboratories show but .367 cu. ft. of air leakage per foot of sash perimeter infiltration loss.

EQUIPMENT DH-520—ZINC				
Location	Strip	Ga.	Strip	Ga.
Head	18	9	36	12
Sill	18	9	36	12
Meeting Rail	17	11	18	9
Upper Sides	18	9	36	12
Lower Sides	18	9	36	12

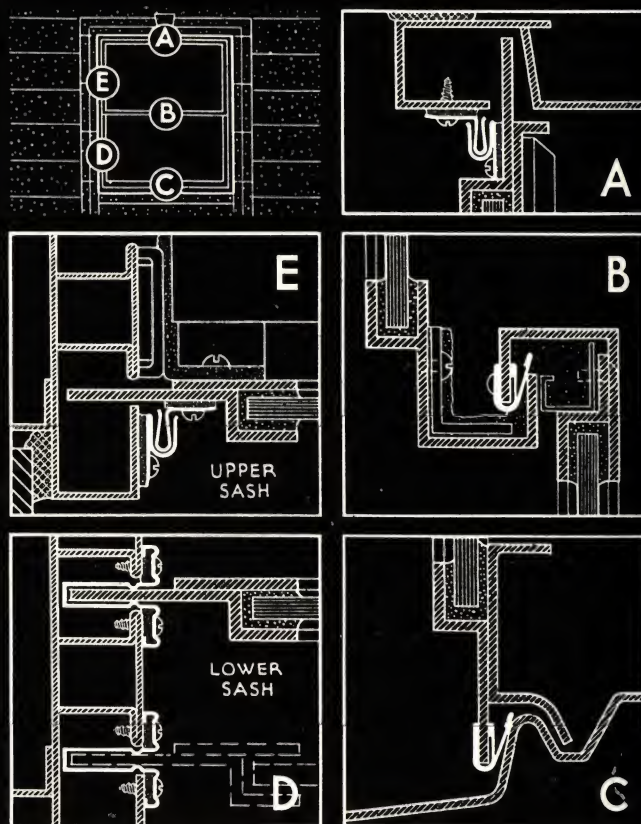
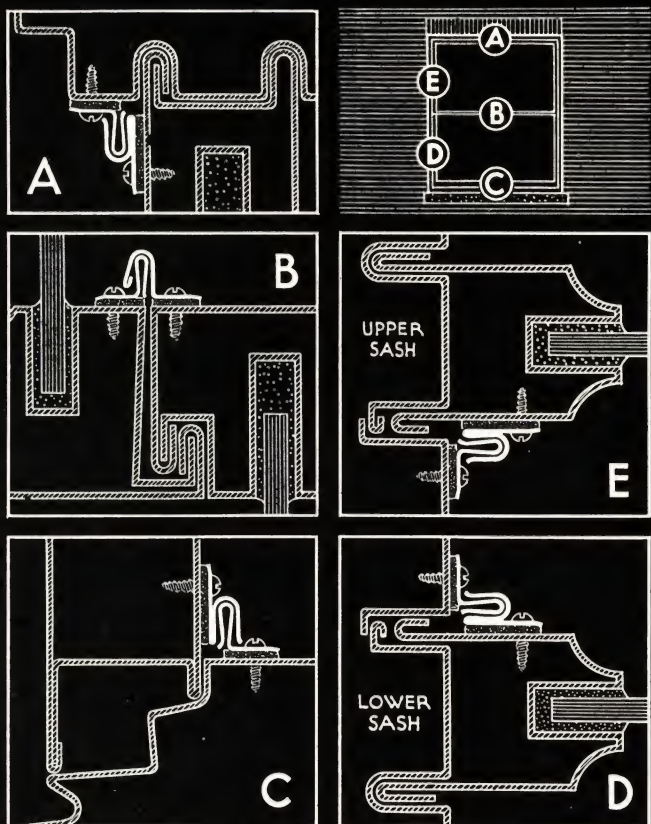
EQUIPMENT DH-521—BRONZE				
Location	Strip	Ga.	Strip	Ga.
Head	18B	25	36B	22
Sill	18B	25	36B	22
Meeting Rail	17B	23	18B	25
Upper Sides	18B	25	36B	22
Lower Sides	18B	25	36B	22

Note—Strips backed with Waterproof Felt

EQUIPMENT DH-530—ZINC AND BRONZE				
Location	Strip	Ga.	Strip	Ga.
Head	18	9	36	12
Sill	501	34	..	..
Meeting Rail	501	34	..	..
Upper Sides	18	9	36	12
Lower Sides	506	10	..	..

EQUIPMENT DH-531—BRONZE				
Location	Strip	Ga.	Strip	Ga.
Head	18B	25	36B	22
Sill	501	34	...	..
Meeting Rail	501	34	...	..
Upper Sides	18B	25	36B	22
Lower Sides	506B	25	...	..

Note—Strips backed with Waterproof Felt



PROTEX Weatherstrips

WEATHERSTRIPS ••• SC • 540 ••• STEEL CASEMENT WINDOWS

Spring Bronze Type—Actual experience in the weatherstripping of solid rolled steel casements has developed this present 500 Series. Steel casements require weatherstrips of high tempered spring bronze of the least thickness to eliminate binding, closure interference, and must be of a design applicable to all makes of standard window units. This weatherstrip permits close clamping to the steel sections reinforced at corners with drive-ins to assure permanence and eliminate possible removal or misalignment. Alternate Detail B illustrates a method of elevating the sill strip to obviate interference with inside sash operators. It carries the strip and reinforces it over that part of the sash which is cut out for passage of operator arm. Strip 500-H is for hinge sides of casements having a sectional lap of not more than $\frac{3}{16}$ inch.



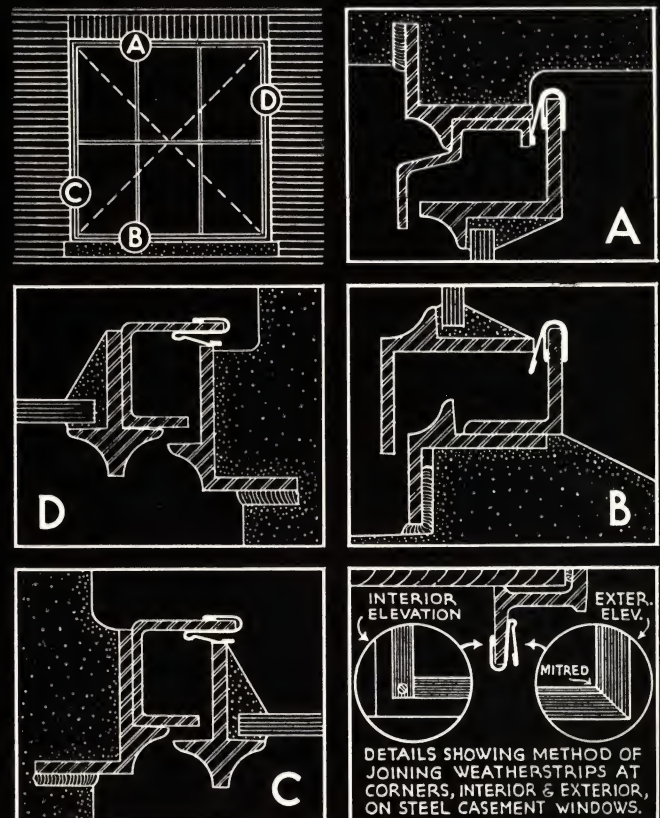
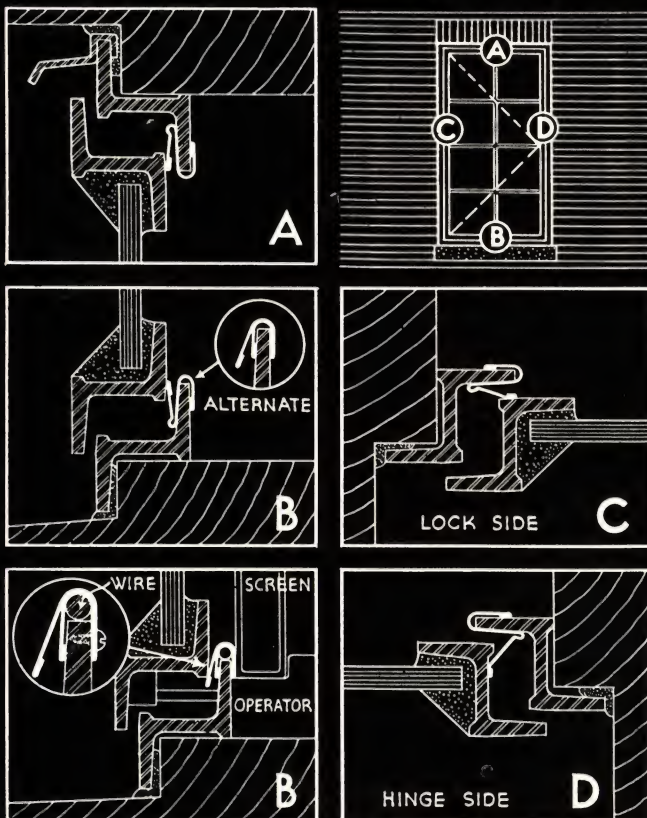
EQUIPMENT SC-540—BRONZE			
Location	Strip	Ga.	Types
Head	500	34	Light and Medium Casements
Sill	500	34	
Centers	500	34	
Lock Side	500	34	
Hinge Side	500H	34	
Alternate No. 1—Substitute No. 501 at Sill			
Alternate No. 2—Add Elevator Wire at Sill			

WEATHERSTRIPS ••• IS • 550 ••• STEEL INDUSTRIAL WINDOWS

Spring Bronze Type—The same 500 Series strips as used for Steel Casements are used for Steel Industrial Windows as indicated in the equipment schedule below. Strip 501 is used in all positions

when there is a possibility of dirt or moisture interfering with the contact closures. Due to ventilator warpage, it is sometimes necessary to apply a supplementary $\frac{3}{8} \times \frac{3}{8}$ inch steel angle to the bottom of the ventilator section aligned with the frame member to form a perfect contact for the flange of the weatherstrip member. The standard strip will fit most of the various makes of solid steel section industrial windows. Because some windows depart from the customary standards, the flanged strip 501 is made, where so required, with extra wide flanges and additional distance between the sides to compensate for these manufacturing variances.

EQUIPMENT IS-550—BRONZE			
Location	Strip	Ga.	Ventilators
Head	501	34	All types
Sill	501	34	All types
Sides	500	34	Project in
Sides	500	34	Project out
Sides	500	34	Center Pivoted
Alternate No. 1—Substitute No. 501 at Sides			
Alternate No. 2—Extra wide flange on No. 501			



PROTEX

Weatherstrips

WEATHERSTRIPS C • 403 • • 403 • B WOOD CASEMENT WINDOWS

Interlocking Type—Since there are no definite design standards established by woodworking mills in the manufacture of inswinging wood casement windows, weatherstripping for these units must be designed to be applicable to any variation. The detail below illustrates a strong, concealed metal to metal interlock with a most effective self-draining sill trough adaptable to sash $1\frac{3}{4}$ inch or greater in thickness. Moisture following down the side members collects in the trough and drains out through weep holes which are furnished with wind breaks.



EQUIPMENT C-403—ZINC				
Location	Strip	Ga.	Strip	Ga.
Head	19	9	112	9
Sill	Optional	70 detailed		15
Center (Double)	19	9	112	..
Lock Side	19	9	112	9
Hinge Side	19 or 18	9	...	..

EQUIPMENT C-403B—BRONZE				
Location	Strip	Ga.	Strip	Ga.
Head	19B	25	112B	25
Sill	Optional	71 detailed		18
Center (Double)	19B	25	112B	25
Lock Side	19B	25	112B	25
Hinge Side	19B or 18B	25	....	..

Alternate No. 1—Add Metal or Wood Astragal
Alternate No. 2—Add Metal or Wood Drip caps

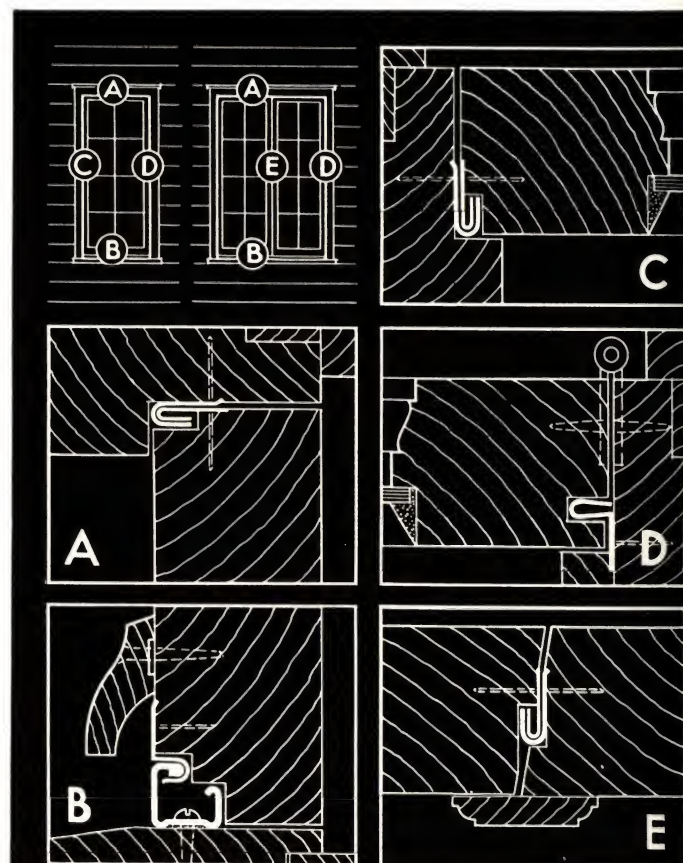
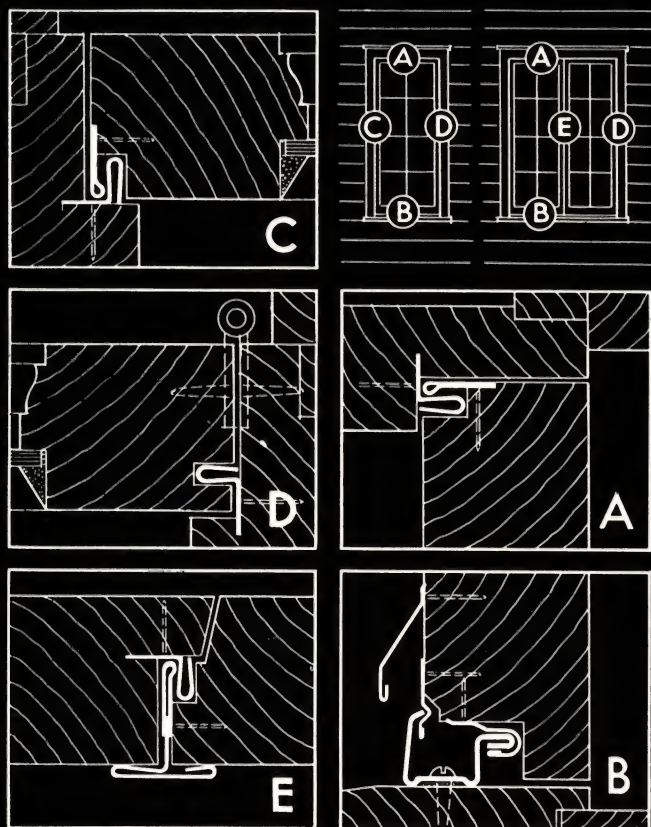
WEATHERSTRIPS C • 404 • • 404 • B WOOD CASEMENT WINDOWS

Interlocking Type—This alternate design of weatherstripping for inswinging wood casement windows is a metal to metal interlock in which one member is enclosed within the other. Air infiltration and moisture passage is in this type of interlock reduced to a minimum. The sill trough shown in the detail below is an alternate assembly particularly adaptable for sash $1\frac{3}{8}$ inch or less in thickness. Note that weather strip members on receiving jambs have turned edges to insure proper indenture in the wood to eliminate sharp, protruding edges.

EQUIPMENT C-404—ZINC				
Location	Strip	Ga.	Strip	Ga.
Head	11	12	12	10
Sill	Optional	070 detailed		15
Center (Double)	11	12	12	10
Lock Side	11	12	12	10
Hinge Side	18	9	..	..

EQUIPMENT C-404B—BRONZE				
Location	Strip	Ga.	Strip	Ga.
Head	11B	..	12B	24
Sill	Optional	071 detailed		18
Center (Double)	11B	22	12B	24
Lock Side	11B	22	12B	24
Hinge Side	18B	25	...	..

Alternate No. 1—Add Metal or Wood Astragal
Alternate No. 2—Add Metal or Wood Drip caps



WEATHERSTRIPS C • 405 • • 405 • B WOOD CASEMENT WINDOWS

Spring Bronze Type—For inswinging casements under normal conditions, spring bronze of correct gauge, temper, and hardness is equally as effective as the interlocking type of weatherstrip. It has the advantage that it is adjustable after installation to seal openings of as wide as $\frac{3}{8}$ inch. Edges are hemmed for added rigidity and to eliminate "humming." Requiring no rabbeting or plowing of the sash, the cost is less than the interlocking type. Sill weatherstripping is the same as required for the interlocking type of equipment.



WEATHERSTRIPS C • 406 • • 406 • B WOOD CASEMENT WINDOWS

Spring Bronze Type—Since outswinging casement sash close against an inside rabbeted jamb or stop, they are less susceptible to moisture and air leakage under normal conditions than are inswinging casements. In the average installation, this spring bronze type of weatherstripping together with this strong, flexible hook type of sill equipment is entirely adequate. For severe exposures, use either of the interlocking types of weatherstripping illustrated on page 7, set in a reverse position for head and side jambs.

EQUIPMENT C-405—ZINC AND BRONZE				
Location	$1\frac{3}{8}$ " Sash	$1\frac{3}{4}$ " Sash	$2\frac{1}{4}$ " Sash	Ga.
Head	$1\frac{1}{4}$ "-20	$1\frac{3}{8}$ "-20	$1\frac{3}{4}$ "-20	31
Sill	Optional 70 detailed			15
Center (Double)	83	83	83	32
Lock Side	$1\frac{1}{4}$ "-20	$1\frac{3}{8}$ "-20	$1\frac{3}{4}$ "-20	31
Hinge Side	$1\frac{1}{4}$ "-20	$1\frac{3}{8}$ "-20	$1\frac{3}{4}$ "-20	31

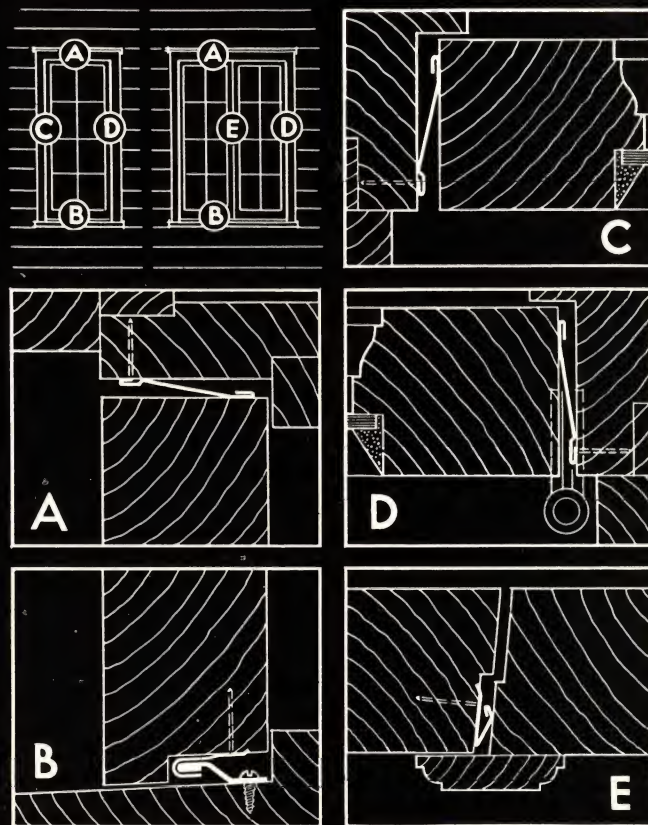
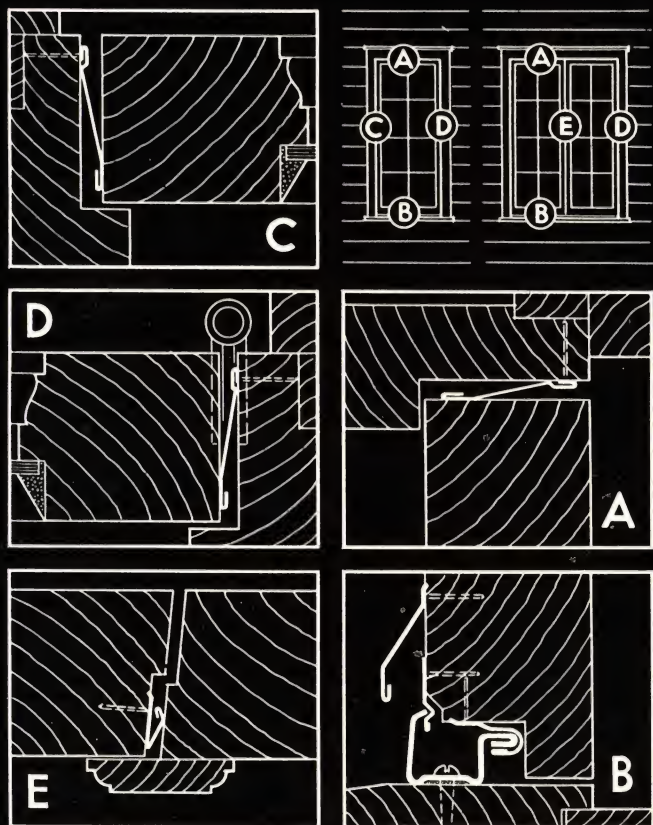
EQUIPMENT C-405B—BRONZE				
Location	$1\frac{3}{8}$ " Sash	$1\frac{3}{4}$ " Sash	$2\frac{1}{4}$ " Sash	Ga.
Head	$1\frac{1}{4}$ "-20	$1\frac{3}{8}$ "-20	$1\frac{3}{4}$ "-20	31
Sill	Optional 71 detailed			15
Center (Double)	83	83	83	32
Lock Side	$1\frac{1}{4}$ "-20	$1\frac{3}{8}$ "-20	$1\frac{3}{4}$ "-20	31
Hinge Side	$1\frac{1}{4}$ "-20	$1\frac{3}{8}$ "-20	$1\frac{3}{4}$ "-20	31

Note—Select desired sill in specifying equipment

EQUIPMENT C-406—ZINC AND BRONZE				
Location	$1\frac{3}{8}$ " Sash	$1\frac{3}{4}$ " Sash	$2\frac{1}{4}$ " Sash	Ga.
Head	$1\frac{1}{4}$ "-20	$1\frac{3}{8}$ "-20	$1\frac{3}{4}$ "-20	31
Sill	Optional 80 detailed			15
Center (Double)	83	83	83	32
Lock Side	$1\frac{1}{4}$ "-20	$1\frac{3}{8}$ "-20	$1\frac{3}{4}$ "-20	31
Hinge Side	$1\frac{1}{4}$ "-20	$1\frac{3}{8}$ "-20	$1\frac{3}{4}$ "-20	31

EQUIPMENT C-406B—BRONZE				
Location	$1\frac{3}{8}$ " Sash	$1\frac{3}{4}$ " Sash	$2\frac{1}{4}$ " Sash	Ga.
Head	$1\frac{1}{4}$ "-20	$1\frac{3}{8}$ "-20	$1\frac{3}{4}$ "-20	31
Sill	Optional 81 detailed			15
Center (Double)	83	83	83	32
Lock Side	$1\frac{1}{4}$ "-20	$1\frac{3}{8}$ "-20	$1\frac{3}{4}$ "-20	31
Hinge Side	$1\frac{1}{4}$ "-20	$1\frac{3}{8}$ "-20	$1\frac{3}{4}$ "-20	31

Note—Select desired sill in specifying equipment



PROTEX

Weatherstrips

WEATHERSTRIPS D • 404 • • 404B • WOOD DOORS •

Interlocking Type—Since the construction of door frames is similar to frames for casement windows, the head and side jamb weatherstripping for doors is practically the same as that required for casements. Because the door sill is the point of maximum leakage and must take severe traffic abuse, only the best heavy-duty equipment is advocated. The bottom of the door should have sufficient clearance over heavy carpets, mats, etc., to avoid conflict with the door bottom hook. See also pages 12 and 13 for alternate sill equipment.



EQUIPMENT D-404—ZINC				
Location	Strip	Ga.	Strip	Ga.
Head	11	12	12	10
Sill	Optional 50 detailed			
Center	11	12	12	10
Lock Side	11	12	12	10
Hinge Side	18	9	..	..

EQUIPMENT D-404B—BRONZE				
Location	Strip	Ga.	Strip	Ga.
Head	11B	22	12B	24
Sill	Optional 50 detailed			
Center	11B	22	12B	24
Lock Side	11B	22	12B	24
Hinge Side	18B	25	...	..

Note—Select desired sill in specifying equipment

WEATHERSTRIPS D • 407 • • 407B • WOOD DOORS •

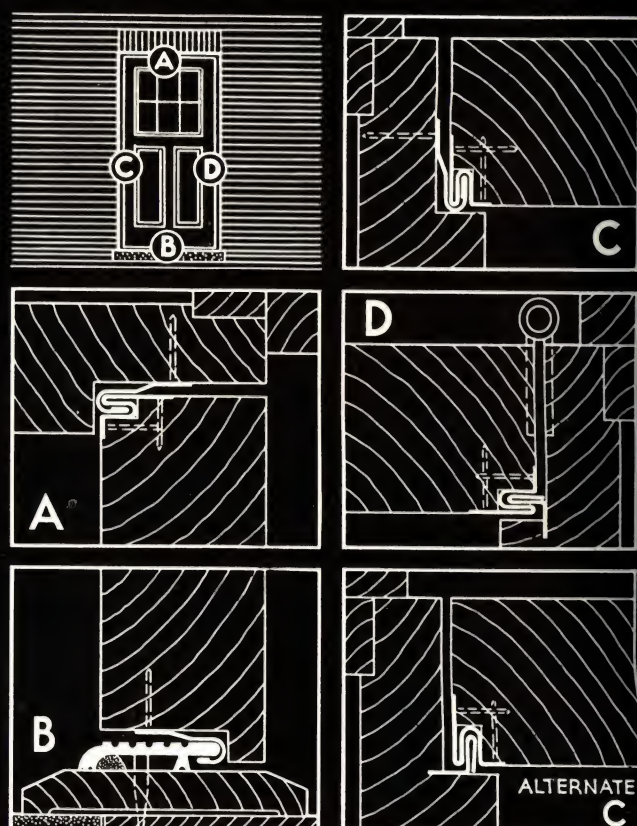
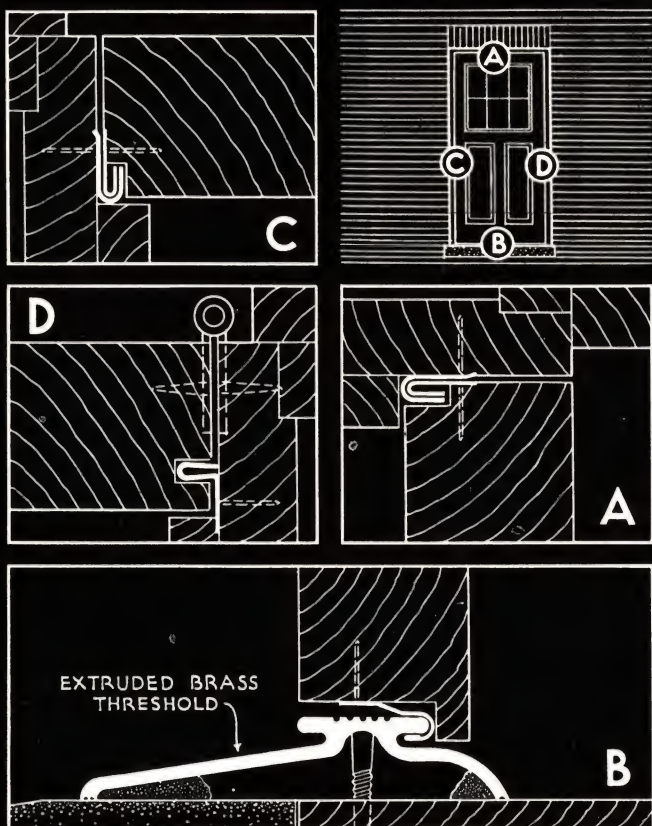
Interlocking Type—The interlocking equipment illustrated below is a sturdy door equipment especially designed to allow for at least a 1/4 inch shrinkage without binding.

The lip of the door member is guided into a flexible jamb member, assuring a positive closure at varying crack widths. Alternate equipment C substitutes a non-flexible EI jamb member adaptable to doors in less exposed locations. Various widths and heights of interlocking door sill equipment are provided to fulfill a wide variety of conditions (see also pages 12 and 13).

EQUIPMENT D-407—ZINC				
Location	Strip	Ga.	Strip	Ga.
Head	109	9	110	31
Sill	Optional 41 detailed			
Center	Optional			
Lock Side	109	9	110	31
Hinge Side	109	9	19	9

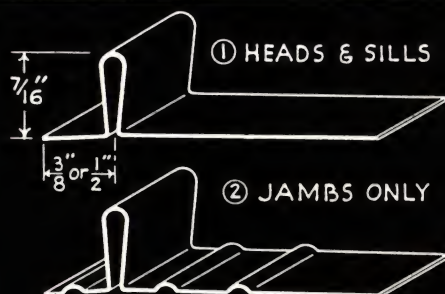
EQUIPMENT D-407B—BRONZE				
Location	Strip	Ga.	Strip	Ga.
Head	109B	..	110	31
Sill	Optional 41 detailed			
Center	Optional			
Lock Side	109B	..	110	31
Hinge Side	109B	..	19B	25

Alternate No. 1—Substitute No. 19 for 110 Strip
Note—Select desired sill

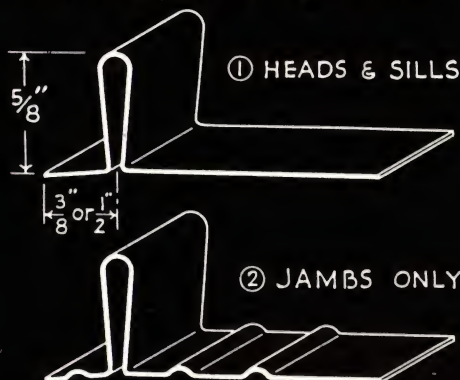


PROTEX

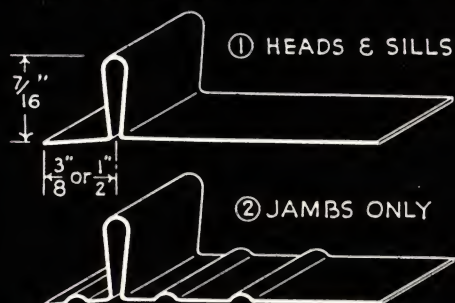
Weatherstrips



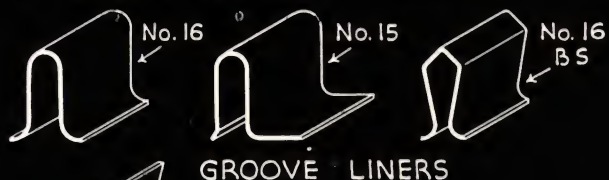
STANDARD ZINC RIB STRIPS
① $\frac{3}{4}$ ", 1", $1\frac{3}{8}$ ", $1\frac{1}{2}$ ", $1\frac{3}{4}$ ", $2\frac{1}{8}$ ", $2\frac{1}{2}$ " WIDTHS
② $1\frac{3}{8}$ ", $1\frac{1}{2}$ ", $1\frac{5}{8}$ ", $1\frac{3}{4}$ ", $1\frac{7}{8}$ ", $2\frac{1}{8}$ ", $2\frac{1}{2}$ " WIDTHS



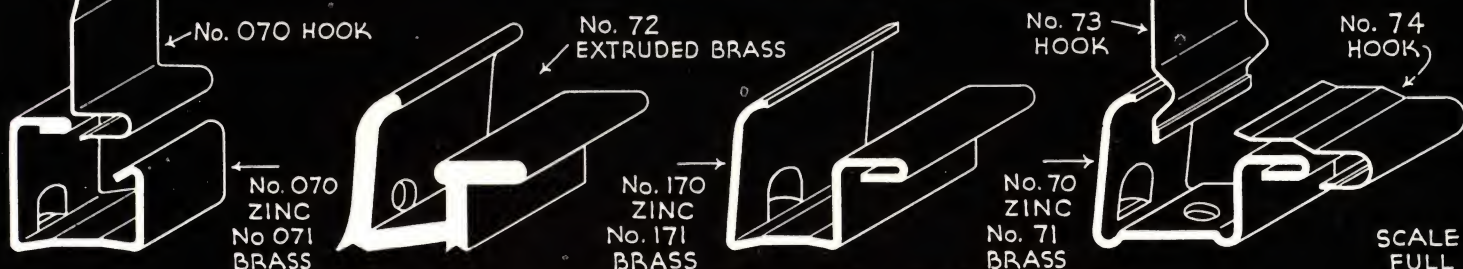
HEAVY DUTY ZINC RIB STRIPS
① $\frac{3}{4}$ ", 1", $1\frac{3}{8}$ ", $1\frac{1}{2}$ ", $1\frac{3}{4}$ ", $2\frac{1}{8}$ ", $2\frac{1}{2}$ " WIDTHS
② $1\frac{3}{8}$ ", $1\frac{1}{2}$ ", $1\frac{5}{8}$ ", $1\frac{3}{4}$ ", $1\frac{7}{8}$ ", $2\frac{1}{8}$ ", $2\frac{1}{2}$ " WIDTHS



STANDARD COLD ROLLED BRONZE RIB STRIPS
① $\frac{3}{4}$ ", 1", $1\frac{3}{8}$ ", $1\frac{1}{2}$ ", $1\frac{3}{4}$ ", $2\frac{1}{8}$ ", $2\frac{1}{2}$ " WIDTHS
② $1\frac{3}{8}$ ", $1\frac{1}{2}$ ", $1\frac{5}{8}$ ", $1\frac{3}{4}$ ", $1\frac{7}{8}$ ", $2\frac{1}{8}$ ", $2\frac{1}{2}$ " WIDTHS

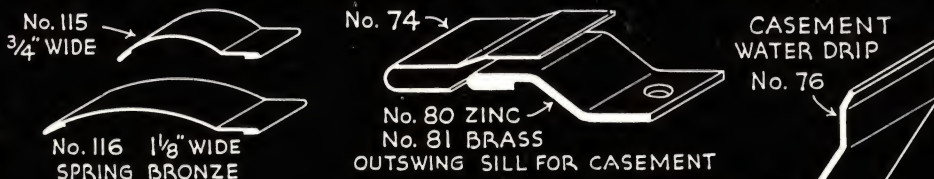
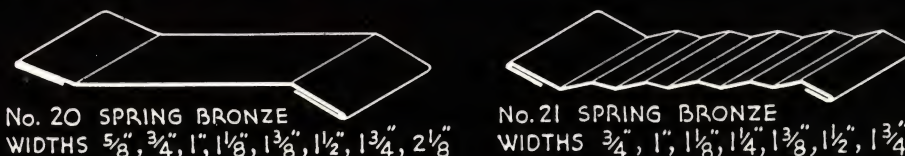
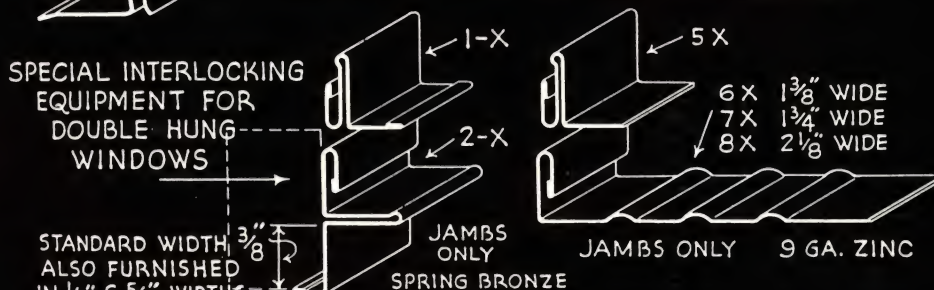
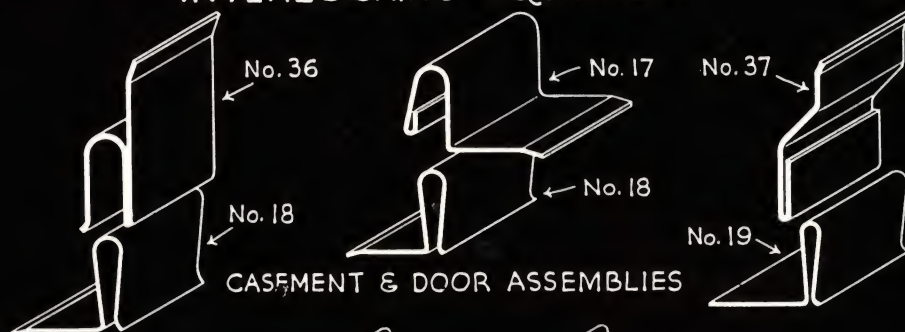
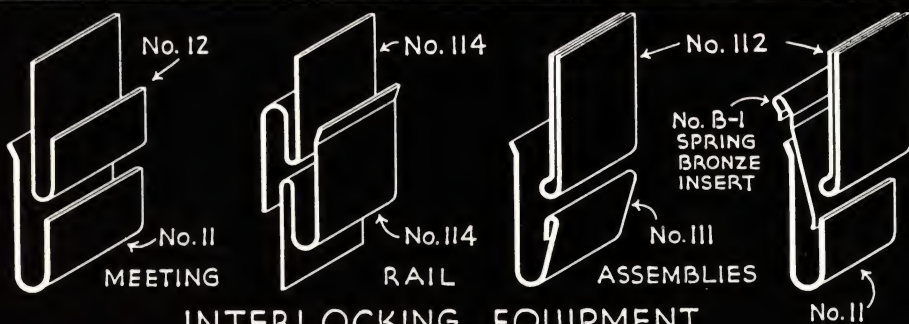


No. 501 No. 500 No. 500H No. 503
STEEL CASEMENT EQUIPMENT



TROUGH ASSEMBLIES FOR CASEMENTS

SCALE
FULL
SIZE



PROTEX Weatherstrips

EDGINGS • BINDINGS • NOSINGS EXTRUDED BRASS AND WHITE METAL



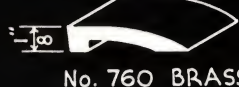
No. 790 BRASS
No. 790W WHITE METAL



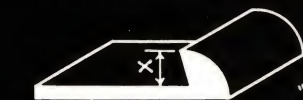
No. 780 BRASS



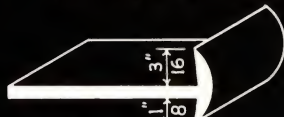
No. 770 BRASS



No. 760 BRASS



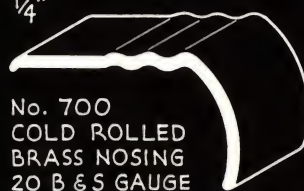
No. 740 BRASS
No. 741 BRASS
No. 742 BRASS
No. 740W WHITE METAL
No. 741W WHITE METAL
No. 742W WHITE METAL



No. 730 BRASS
No. 730W WHITE METAL



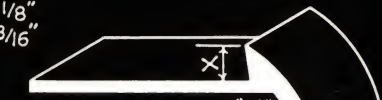
No. 750 BRASS
No. 751 BRASS
No. 750W WHITE METAL
No. 751W WHITE METAL



No. 700
COLD ROLLED
BRASS NOSING
20 B & S GAUGE



No. 721 BRASS
No. 721W WHITE METAL
FOR 3/16" COVERING



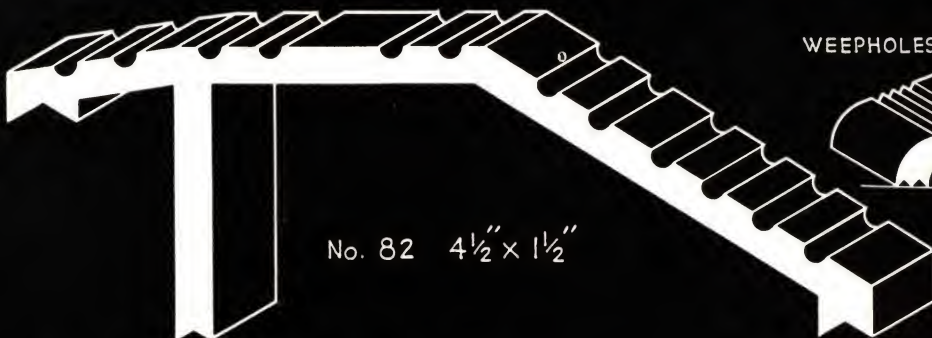
No. 710 BRASS
No. 711 BRASS
No. 712 BRASS
No. 710W WHITE METAL
No. 711W WHITE METAL
No. 712W WHITE METAL



No. 122 6 1/8" x 1/4"
SILL PLATE EXTRUDED BRASS

BRASS THRESHOLDS

USE WITH INTERLOCKING SILLS
TO SECURE COVERAGE IN EXCESS
OF PRESENT STANDARD WIDTHS



No. 82 4 1/2" x 1 1/2"

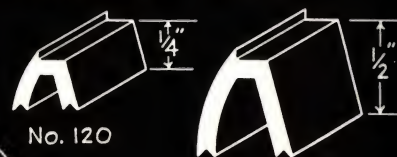


No. 123 3" x 1/2"

WATERPROOF SELF DRAINING
EXTRUDED BRASS SILL FOR
OUTSWINGING DOORS



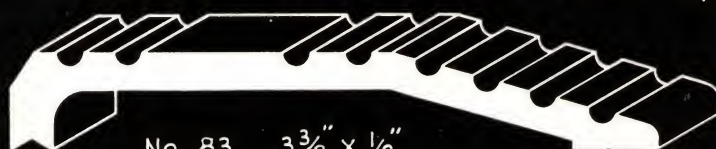
No. 27 5 1/4" x 1/2"



No. 120

No. 121

THRESHOLD ELEVATORS
EXTRUDED BRASS



No. 83 3 3/8" x 1/2"

FULL SILL COVERAGE
ADJUSTABLE WATERPROOF SILL
EXTRUDED BRASS PATENTED

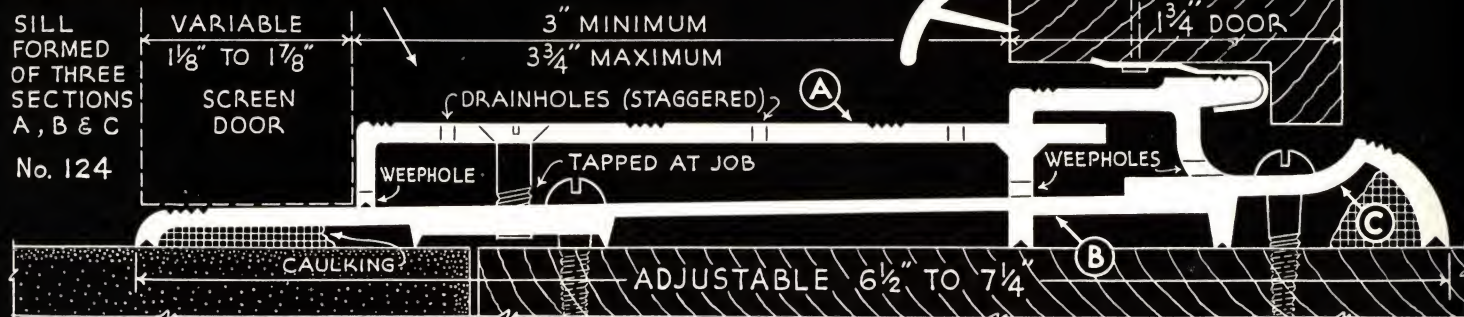
SILL
FORMED
OF THREE
SECTIONS
A, B & C

VARIABLE
1/8" TO 1 7/8"
SCREEN
DOOR

3" MINIMUM
3 3/4" MAXIMUM

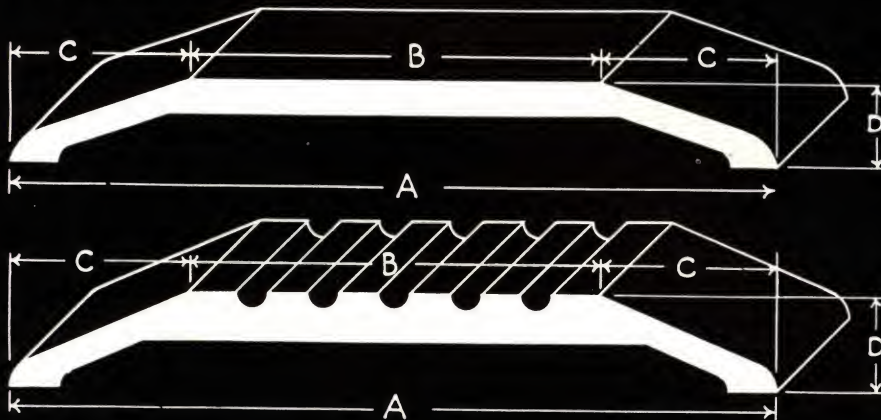
No. 76-A
EXTRUDED ALUMINUM
DOOR & WINDOW DRIP

No. 124



SCALE
FULL
SIZE

EXTRUDED METAL SADDLES



BRASS - PLAIN TOP

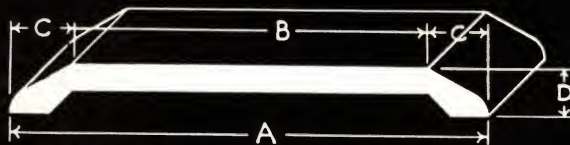
No.	A	B	C	D
71-D	3"	2 3/8"	5/16"	1/4"
58	4"	2 1/8"	15/16"	7/16"
59	5"	3 1/2"	3/4"	7/16"
60	6"	3 3/8"	1 7/16"	1/2"

BRASS - FLUTED TOP

No.	A	B	C	D
56	3 1/2"	1 5/16"	25/32"	15/32"
61	4"	2 1/8"	15/16"	1/2"
62	5"	2 11/16"	1 5/32"	1/2"
63	6"	2 15/16"	1 7/32"	7/16"

WHITE METAL - FLUTED TOP

No.	A	B	C	D
61-W	4"	1 3/4"	1 1/8"	5/8"
62-W	5"	2 3/4"	1 1/8"	5/8"



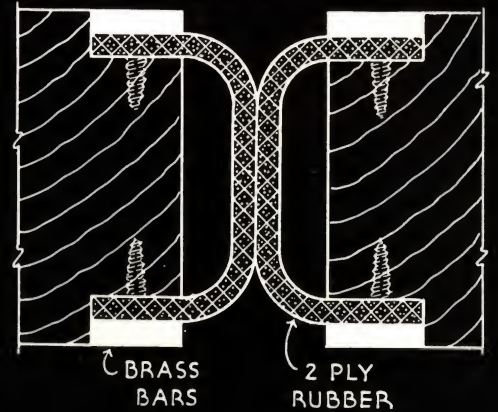
BRASS FLOOR PLATES

No.	A	B	C	D
70-A	2 1/4"	1 3/4"	1/4"	3/16"
70-B	2 1/2"	1 7/8"	5/16"	1/4"
71-D	3"	2 3/8"	5/16"	1/4"

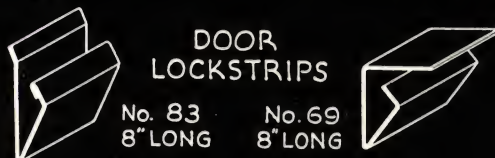
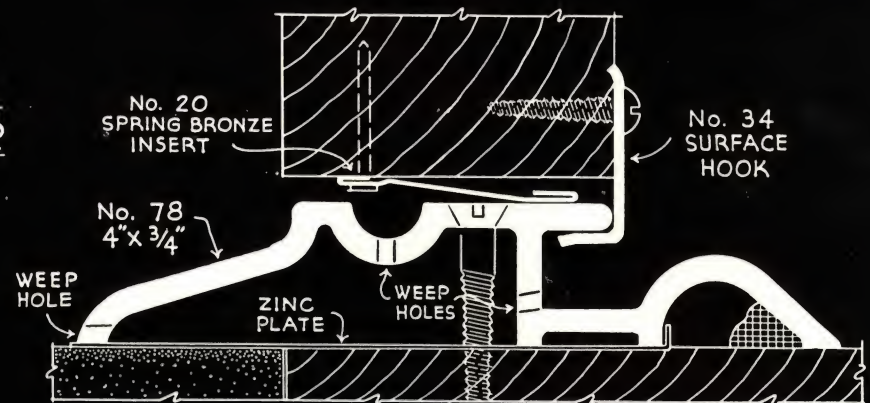
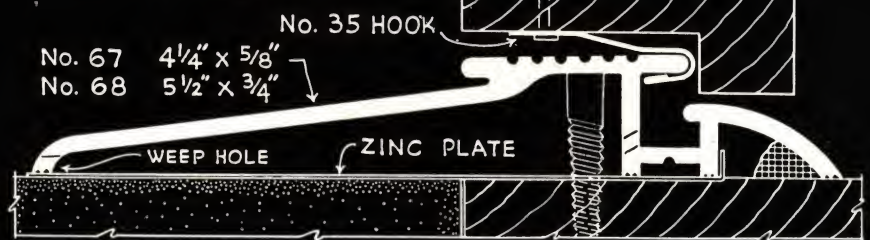
WHITE METAL FLOOR PLATES

No.	A	B	C	D
70-W	2 1/4"	1 1/16"	9/32"	3/8"

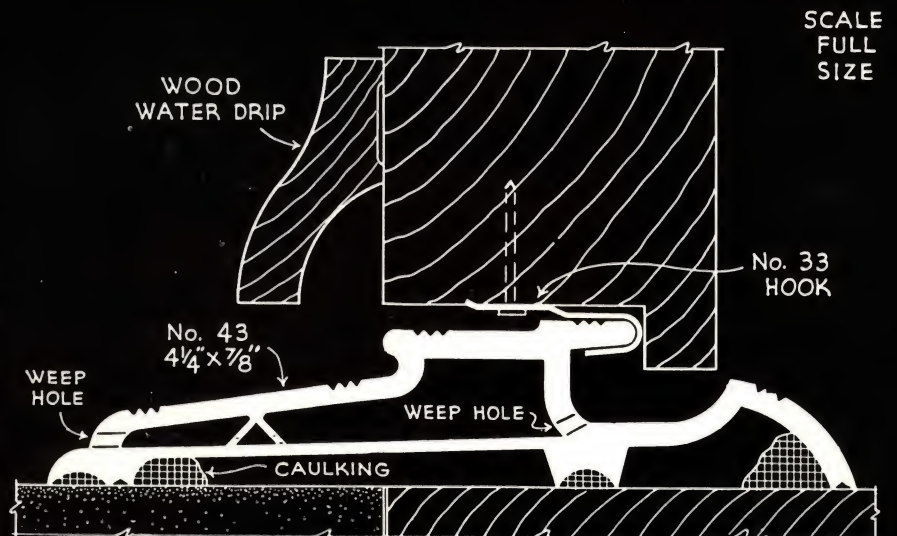
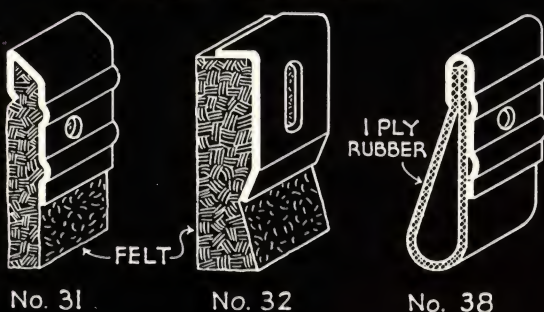
DOUBLE DOOR CENTER



TYPICAL BRASS THRESHOLD INSTALLATIONS



DOOR BOTTOMS



SCALE
FULL
SIZE

PROTEX Weatherstrips

BRASS THRESHOLDS



No. 49 3½" x 5/8"



No. 52L 3½" x 5/8"



No. 150 4¼" x 9/16"



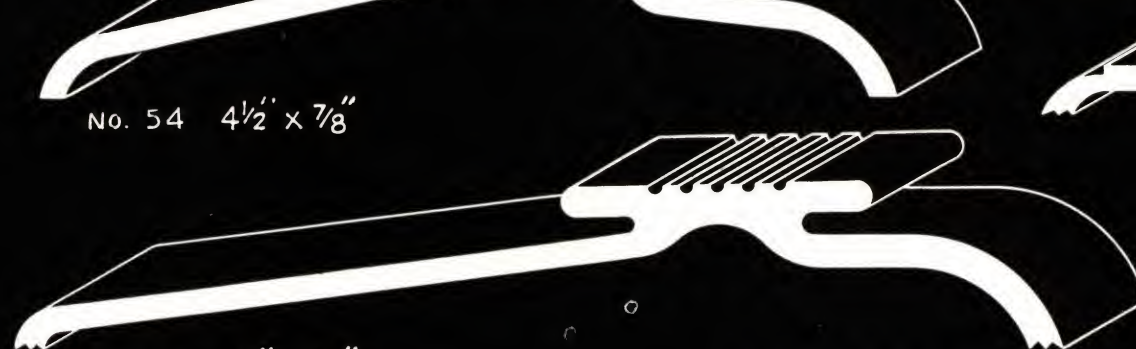
No. 53L 4¼" x 5/8"



No. 50 4½" x 7/8"



No. 54 4½" x 7/8"



No. 51 5½" x 7/8"



No. 57 6" x 7/8"



No. 66 3½" x 5/8"



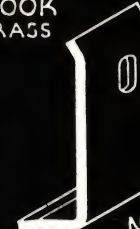
No. 65 2¾" x 5/8"



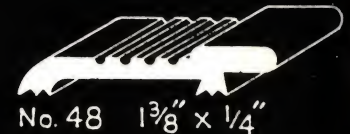
No. 33
HOOK
BRASS



No. 35
HOOK
BRONZE



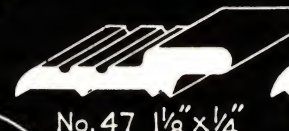
No. H-34
SURFACE
HOOK



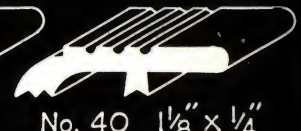
No. 48 1¾" x ¼"



No. 45 1¾" x ¼"



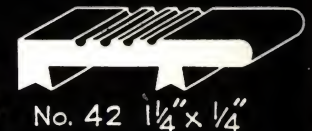
No. 47 1½" x ¼"



No. 40 1½" x ¼"



No. 44 1¾" x ¼"



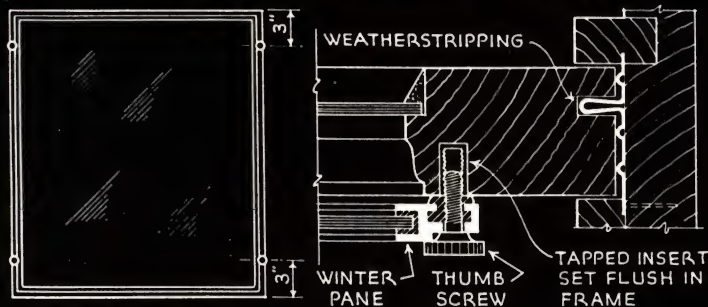
No. 42 1¼" x ¼"



No. 41 1½" x ¼"

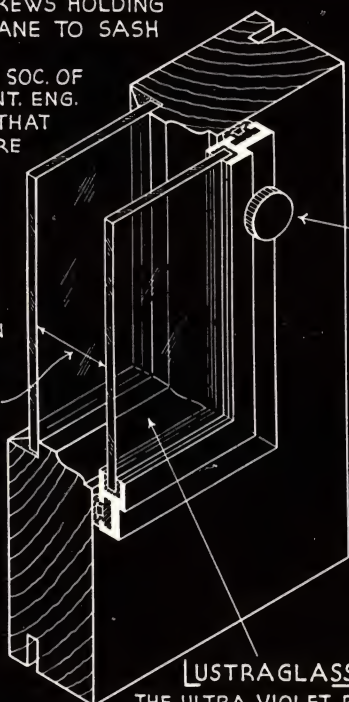
SCALE
FULL
SIZE

DETAILS OF WINTER PANES - THE MODERN STORM SASH ELIMINATES - FROSTING • CONDENSATION • HEAT LOSS



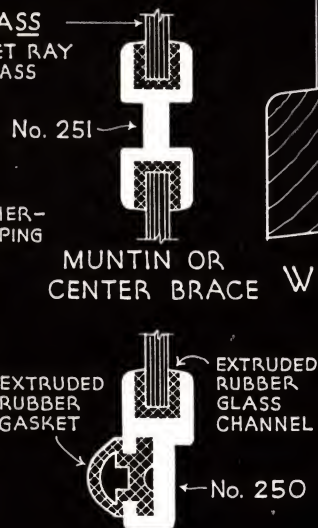
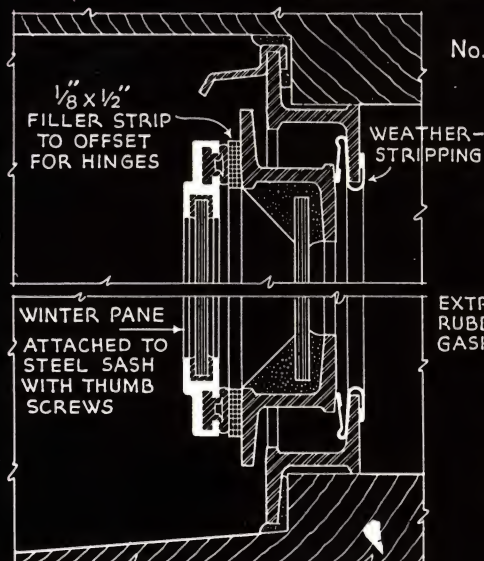
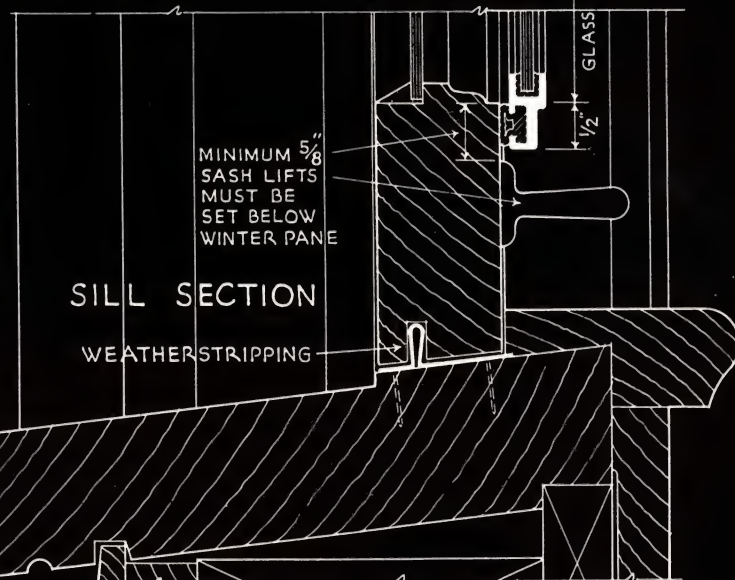
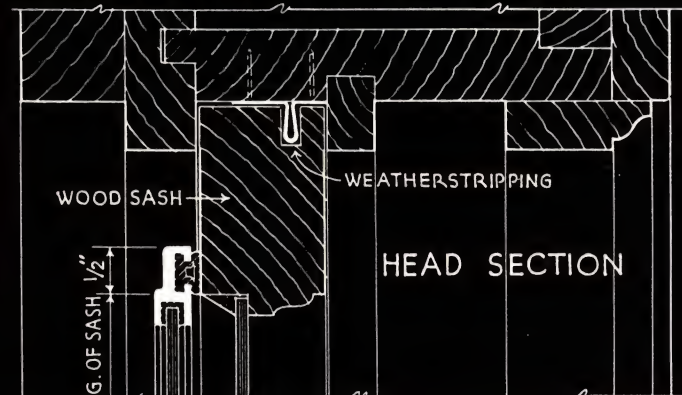
AMERICAN SOC. OF HEAT. & VENT. ENG. INDICATE THAT 3/4" OR MORE DEAD AIR SPACE BETWEEN WINDOWS PROVIDES THE MOST EFFECTIVE INSULATION

DEAD AIR SPACE



FOR OVERALL DIMENSIONS OF WINTER PANES MEASURE GLASS OPENING OF WOOD OR STEEL SASH AND ADD ONE INCH

NOTE :- FRICTIONAL WEATHERSTRIPPING USUALLY COMPENSATES FOR LIGHT WEIGHT OF WINTER PANES IN BALANCING OF SASH.



WINTER PANES ON WOOD D.H. WINDOW



PROTEX

Weatherstrips

METAL WEATHERSTRIPS
—
ALUMINUM THRESHOLDS
—
BRASS THRESHOLDS
—
CAULKING COMPOUNDS
—
KICK AND PUSH PLATES
—
STAIR NOSINGS AND EDGINGS
—
SPECIAL METAL SHAPES

**PROTEX WEATHERSTRIP MFG.CO.
CHICAGO • ILLINOIS**

The Blue Book of Weatherstrips